WHAT IS CLAIMED IS:

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- 1. A liquid drop jet head, comprising:
- a nozzle jetting a liquid drop;
- a liquid room connected to the nozzle;
 - a common liquid room connected to the liquid

10 room;

a supply opening part supplying the liquid to the common liquid room; and

a pressure generating part that generates a pressure pressurizing the liquid provided in the

15 liquid room,

wherein the common liquid room has a configuration in which a width of the common liquid room on a plane level is narrower as a point of the width is more remote from the supply opening part.

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2. The liquid drop jet head as claimed in claim 1, wherein the width of the common liquid room

on the plane level is narrower substantially consecutively as the point of the width is more remote from the supply opening part.

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3. The liquid drop jet head as claimed in claim 1, wherein the width of the common liquid room on the plane level is narrower substantially gradually as the point of the width is more remote from the supply opening part.

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4. The liquid drop jet head as claimed in claim 1, wherein the common liquid room has a configuration of a single wing on a plane level.

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5. The liquid drop jet head as claimed in claim 4, wherein the supply opening part is provided

at a wall surface side opposite to the wall surface side to which the liquid room in the common liquid room is provided, an external side of the wall surface, or an external side of the liquid room being in a direction of a line of the liquid room.

6. The liquid drop jet head as claimed in claim 1, wherein the common liquid room has a configuration of dual wings on a plane level.

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7. The liquid drop jet head as claimed in claim 6, wherein a wall surface opposite to the side to which the liquid room is provided in a common liquid room has a substantially arc configuration or a semicircle configuration in a direction of a line.

8. The liquid drop jet head as claimed in claim 6, wherein the supply opening part is provided at a wall surface side opposite to the side to which the liquid room in the common liquid room is provided, an external side of the wall surface, or an external side of the liquid room being in a direction of a line of the liquid room.

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9. The liquid drop jet head as claimed in claim 1, wherein a plurality of the common liquid rooms is formed in a direction of a line of the liquid rooms independently.

20 10. The liquid drop jet head as claimed in claim 4, wherein a plurality of the common liquid rooms is formed in a direction of a line of the liquid rooms independently and the respective common liquid rooms are arranged in parallel.

11. The liquid drop jet head as claimed in claim 4, wherein a plurality of the common liquid rooms is formed in a direction of a line of the liquid rooms independently and the respective common liquid rooms are arranged line-symmetrically.

12. The liquid drop jet head as claimed in claim 9, wherein a number of the liquid rooms connected to one of the common liquid room is in a range of two or more and thirty-two or less.

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13. The liquid drop jet head as claimed in claim 9, wherein the respective common liquid rooms
20 and the liquid rooms have partition walls and a width of the partition wall between the neighboring common liquid rooms has a substantially same length as the width of the partition wall between the neighboring liquid rooms.

14. The liquid drop jet head as claimed in claim 1, wherein the liquid rooms make a plurality of lines and the common liquid rooms for the every line of the liquid rooms are provided independently between the respective lines of the liquid rooms.

15. The liquid drop jet head as claimed in claim 14, wherein the supply opening part being common for the common liquid rooms for the every line of the liquid rooms is provided in the common liquid rooms so that the liquid is supplied.

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16. The liquid drop jet head as claimed in claim 1, wherein the common liquid room is formed by anisotropically etching of a silicon substrate.

17. The liquid drop jet head as claimed in claim 16, wherein the common liquid room has a wall surface at a liquid room side of the common liquid room, and the wall surface has a plane configuration having an obtuse angle.

18. The liquid drop jet head as claimed in claim 1, wherein the supply opening part is provided at a surface opposite side to a lid member or a nozzle board forming a wall surface of the liquid room.

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19. The liquid drop jet head as claimed in claim 18, wherein the supply opening part is formed by a mechanical process.

20. The liquid drop jet head as claimed in claim 18, wherein the supply opening part is formed by anisotropically etching.

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21. The liquid drop jet head as claimed in claim 1, wherein the pressure generating part

10 includes a vibration board forming the wall surface of the liquid room and an electrode facing the pressure generating part so that the vibration board is deformed by an electrostatic force.

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22. The liquid drop jet head as claimed in claim 1, wherein the pressure generating part

20 includes a vibration board forming the wall surface of the liquid room and an electric machine conversion element deforming the vibration board.

23. The liquid drop jet head as claimed in claim 1, wherein the pressure generating part includes an electric thermal conversion element arranged in the liquid room.

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24. The liquid drop jet head as claimed in

10 claim 1, wherein the liquid drop jet head is used as
an ink jet head, for an ink cartridge in which an ink
tank supplying the ink to the ink jet head is unified.

- 25. An ink jet recording apparatus, comprising an ink jet head jetting the ink drop, the ink jet head includes
 - a nozzle jetting a liquid drop,
- a liquid room connected to the nozzle,
 - a common liquid room connected to the liquid room,
 - a supply opening part supplying the liquid to the common liquid room, and
- a pressure generating part which generates a

pressure pressurizing the liquid provided in the liquid room,

wherein the common liquid room has a configuration in which a width of the common liquid room on a plane level is narrower as a point of the width is more remote from the supply opening part.

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